

## Status Report for SI to TSG

**Study Item Name:** "Radio Link Performance Enhancements "

**SOURCE:** Nokia (Antti Toskala)

**TSG:** RAN

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**Ref. to WI sheet:** [RAN\\_Work\\_Items.doc](#)

### **Progress Report since the last TSG (for all involved WGs):**

1. Discussion about channel (correlation) models continued, it was proposed that MIMO channel models would be used for Tx diversity evaluation (once they are agreed on).
2. No conclusion yet from WG1

### **List of Completed elements (for complex work items):**

- o Description of studied schemes

### **List of open issues:**

- o Channel (correlation) model.
- o Evaluation of presented pilot schemes + conclusion.
- o Reviewed performance results.
- o Impacts to UE and UTRAN implementation.
- o Impacts to physical layer operation.
- o Complete "backwards compatibility to R99/R4" considerations.
- o Evaluation of described schemas (comparing of different techniques).
- o Conclusion

### **Estimates of the level of completion (when possible):**

- o Basic techniques are introduced.

### **SI completion date review resulting from the discussion at the working group:**

- o TR to be presented for approval for TSG RAN#17.

### **References to WG's internal documentation and/or TRs:**

- o TSGR1#(24)0518